

**FORM 2: RULE 312
OCTOBER 31, 2000**

PERMIT CONDITIONS FOR ABRASIVE BLASTING WITH OR WITHOUT BAGHOUSE:

- A. Allowable Emissions: The Permittee shall not discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one-hour period which is a shade or density darker than 20 percent opacity.
[County Rule 312 §301] [locally enforceable only]
- B. Operational Limitations: When conducting any abrasive blasting operations, the Permittee shall utilize at least one of the following control measures:
- 1) Confined Blasting: The Permittee shall confine the blast in such a manner that the abrasive blasting is conducted in an enclosure which significantly reduces air contaminants from being emitted to the ambient atmosphere. Such enclosures include, but are not limited to, shrouds, tanks, buildings and structures.
[County Rule 312 § 203 and 302.1] [locally enforceable only]
 - 2) Wet Abrasive Blasting: The Permittee shall use compressed air as the propelling force and sufficient water to minimize the plume from the abrasive blasting.
[County Rule 312 § 206 and 302.2] [locally enforceable only]
 - 3) Hydroblasting: The Permittee shall use high pressure liquid as the propelling force for the abrasive blasting.
[County Rule 312 § 204 and 302.3] [locally enforceable only]
 - 4) California Air Resources Board (CARB) Certified Abrasive Blasting. The Permittee may perform dry, unconfined blasting operations provided that the Permittee meets all of the following requirements:
 - a) The Permittee shall only use those abrasives that are contained in the most recent CARB certification list;
 - b) The Permittee shall only perform the abrasive blasting on a metal surface;
 - c) The Permittee shall only use the abrasive blasting medium one time;
 - d) The Permittee shall only use CARB certified abrasive blasting media on paint that is lead free (i.e. the lead content is less than 0.1%);
 - e) The Permittee shall only use CARB certified abrasive blasting media on objects that exceed 8 feet in any dimension, or if the surface that is to be blasted is situated at its permanent fixed location; and
 - f) The Permittee shall not perform abrasive blasting at ground level on a surface which may be disturbed by the process and contribute to particulate emissions (e.g. unpaved ground).
[County Rule 312 § 302.4] [locally enforceable only]

C. Monitoring: The Permittee shall conduct an observation of visible emissions once every ten (10) hours of operation in accordance with EPA Reference Method 9. This observation shall also be conducted in accordance with the following:

- 1) Emissions from unconfined blasting shall be read at the densest point of the emission after a major portion of the spent abrasives has fallen out, at a point not less than five feet, nor more than 25 feet from the impact surface from any single abrasive blasting nozzle.
- 2) Emissions from unconfined blasting employing multiple nozzles shall be judged as single source unless it can be demonstrated by the Permittee that each nozzle, evaluated separately, meets the emission standards of this rule.
- 3) Emissions from confined blasting shall be read at the densest point after the air contaminant leaves the enclosure.

[County Rules 210 §302.c.(2)] [locally enforceable only]

D. Record Keeping Requirements

- 1) The Permittee shall record the date upon which any abrasive blasting is conducted, the control measure employed, and the type and amount of solid abrasive material consumed (if applicable).
- 2) The Permittee shall record the start-up and shut-down times, as well as the duration of all abrasive blasting operations that took place during that time.
- 3) The Permittee shall maintain a rolling total of the hours of abrasive blasting that have taken place at the facility.
- 4) The Permittee shall maintain records of the name of the certified Method 9 observer as well as the time and results of the visual observations of the plume resulting from the abrasive blasting.
- 5) If the Permittee should use the CARB Certified Abrasive Blasting, the Permittee shall:
 - a) Record the name of the CARB material used in the abrasive blasting operation;
 - b) Record the location and type of surface that is undergoing abrasion;
 - c) Record the disposal method for spent abrasive media ;
 - d) Record the results of any lead testing that was performed; and
 - e) Maintain a copy of the most recent CARB certification list on file and available upon request;

[County Rule 210 § 302.1.d] [locally enforceable only]

E. The Permittee shall include a summary of the following information in the semi-annual compliance report:

- 1) The total hours of abrasive blasting conducted during the six month period;

- 2) Opacity readings during external blasting;
- 3) Control measures utilized for abrasive blasting; and
- 4) The dates upon which external blasting was performed.

[County Rules 210 § 302.1.e.(1)] [locally enforceable only]

- F. Testing: If there is a reason to suspect that the surface that is to be abraded is covered in lead paint and the Permittee intends to use CARB certified abrasive blasting media as the control device, the Permittee shall conduct testing to determine if the lead content of the paint is less than 0.1 percent.

[County Rule 210 § 302.c.(2)] [locally enforceable only]